Creck，New England．This is the second discovery of fossil insects in Sustralia．and the specimens show the impressions of latrate and pupace ol Eftemera or＂－May－Ity．＂
 eases of some Australian aflarophoridue．By F．Ratte，M．E．This paper describes the lar－ val state of some small species of rhynchota closely allied to the genus sthrophored and belonging probably to the gemus I＇thelrs． They are as yet imperfectly known：but the description of their larwa－cases and of some of the larvae discloses a feature probably quite new to the science of entomology． These cases，unlike thone of insect，generally， are thue shells，containing at least three－ fourths of carbonate of lime，and resembling in shape some fossil and recent serpulate． some being conical，others serpalitorm，or helicoidal．The conieal shells are fixed on the branches of some species of eucalyptus． the month tarned upwards，the lars being placed in it with the head downwards．It in－ troduces its suctorial apparatus into the bark of the stem，sucks the sap of the tree，and emits from time to time，by its anus，drops of clear water．This property of emitting water is possessed by all the family．

The president exhibited four specmens of the shell－like covering of a species of 1 hos－ ganea．These are built up entirely of small round nodules of brown iron ore，fastened to－ gether by a silky web．＇1hey were obtained on the north end of New Caledonia，by 1）r． Storer，in a creek flowing over rocks com－ posed of iron ore．

31 Dec．ISS．．．．．．Mr．E．P．Ramsay． F．R．S．E．，exhibited for Mr．E．G．W．l＇almer a native bees＇nest which had been obtained in the neighborhood of smithfield．Foor the last seven years it had been suspended from a branch of a pear tree in Mr．Palmer＇s gar－ den，and a quart of honey had often been obtained from it，but during the last winter a caterpillar formed its cocoon in the only aperture and so effectually closed it that all the bees were killed．－Sclected from Zool－ osrischer amzeigro．

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N．I＇s－aerini finel－that decapitated silh－ worm moths live a long time，but are tor－ pid．move with diffeulty and only under di－ rect external excitation，and often dixconneet themselves if they are paired．They live long－ er than those which hase not been deeapi－ tated；often living for more than a month． whereas normally the male－die insix or seven dass after they have issued from the ehry alis． Flace females live even longer than the males． but do mot laty cyis．In one eate three or four eqes－were obtained from a female which had been decapitated while coupled with a mate whose head had been lett on but al－ though these egs－appeared to be fecundated， they did not hateh in the following vear． The moths did not eouple after hoth had been deeapitated，but if the female alone was decapitated copulation did sometimes take place．It they were decapitated while coupled they very often separated：but sometimes they remained tonnewted．without moving． matil they died．It the male only wa decap－ itated while coupled，they separated；but this was not the cane if the female only was de－ capitated．This is reabily understood，since the male holds the female by a special genital armatare．Death does bot follow decapitat tion instantly because the principal nerwous centre does not reside in the head．Lite is prolonged beeause the vital force of the in－ sect is not consumed in the proseration of new individuals．THe atuthor could not find a satisfactory explamation for the falare of the decapitated females to lay their exges． since the female nomally lave all or nearly all her egos even if they are not fecundated， but he think that possibly the granglia of the oenoplageal ring operate．or at least regulate the cmissson of erges in this insect．－Sum marized from－1＇ascrini，N．Experienze sulla decapitazione delle farfalle del baed da scta＂（Bull．soc．emtom，ital．． 3 I Dece がな． an．16．12．285－2S6）．

